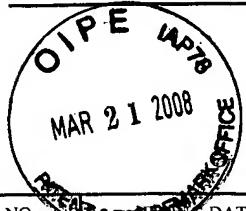




# UNITED STATES PATENT AND TRADEMARK OFFICE



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APPLICATION NO.	RECEIVED DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/797,619	03/11/2004	Akihisa Nagami	62807-172	4743

7590                    03/18/2008  
MCDERMOTT, WILL & EMERY  
600 13th Street, N.W.  
Washington, DC 20005-3096

EXAMINER
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MCADAMS, BRAD

ART UNIT	PAPER NUMBER
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4134

MAIL DATE	DELIVERY MODE
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03/18/2008            PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/797,619	NAGAMI ET AL.	

<b>Examiner</b>	<b>Art Unit</b>
ROBERT MCADAMS	4134

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 05 March 2008.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-14 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-14 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 11 March 2004 is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date <u>12/18/2007, 06/22/2007, 09/22/2005, 03/11/04</u> .	6) <input type="checkbox"/> Other: _____



## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

**Claims 1-2, 5-6, and 11 are rejected under 35. U.S.C. 102(e) as being anticipated by U.S. Patent No. 7,007,092 B2 to Peiffer.**

As to **Claim 1**, *Peiffer* discloses a traffic control apparatus (Connection Management Device 20, Figure 1, 3-4) for controlling traffic between a plurality of client apparatuses (12, Figure 1, 3-4) and a server apparatus (Server 14, Figure 1, 3) in a service system including the plurality of client apparatuses for issuing service requests to the server apparatus and the server apparatus for receiving the service requests from the client apparatuses to provide the service(see figures 1, 3, 4; column 3, lines 26-33 and column 5, lines 41-5), comprising: a unit for receiving the service requests from the client apparatuses to the server apparatus (Column 3, Lines 27-33); a unit for receiving a reply sent from the server apparatus in response to the service request (Column 3, Lines 27-33) and controlling the number of client apparatuses simultaneously connected to the server apparatus in accordance with reception performance of the client

apparatus (Figures 1,3, 6-8; Column 6, Lines 58-60 and Paragraph bridging Column 7 and 8); and  
a unit for relaying requests to the server apparatus with regard to the service requests received from the plurality of client apparatuses in accordance with the number of simultaneously connected client apparatuses (Figures 1, 3-4, 6-7; Column 4, Lines 23-34 and Column 6, Lines 47-60; Column 7, Lines 19-31).

As to **Claim 2**, *Peiffer* further discloses a unit for measuring the reception performance of the client apparatus (210, Figure 7); and wherein the unit for controlling the number of simultaneous connected client apparatuses makes control on the basis of the measured result (Column 7, Lines 19-31).

As to **Claim 5**, *Peiffer* further discloses a client performance measurement unit for observing time that the client apparatus receives the service reply to calculate the data reception performance of the client apparatus (Method 200, Figure 7, Paragraph bridging 7 and 8).

As to **Claim 6**, *Peiffer* further discloses a client performance measurement unit for observing time that the server apparatus sends the service reply to calculate the data reception performance of the client apparatus (Method 100, Figure 6, Column 5, Lines 57-61).

As to **Claim 11**, *Peiffer* further discloses a service system including a server apparatus (Server 14, Figure 5) for receiving service requests from client (12, Figure 5) apparatuses and a traffic control apparatus (Connection Management Device 20, Figures 3-5) for controlling traffic between the client

apparatuses and the server apparatus, wherein the traffic control apparatus comprises a unit for receiving service requests from the client apparatuses to the server apparatus (14, Figure 3-5, Column 3, Lines 26-33); a unit for receiving a reply sent from the server apparatus in response to the service request (Figures 6-8) and controlling the number of client apparatuses simultaneously connected to the server apparatus in accordance with reception performance of the client apparatus (Column 5, Lines 8-15; Column 7, Lines 19-31; Column 8, Lines 1-26); and a unit for making relay processing to the server apparatus with regard to the service requests received from the plurality of client apparatuses in accordance with the number of simultaneously connected client apparatuses (Column 5, Lines 4-15 and Lines 46-51; Column 6, Lines 58-60; Column 7, Lines 19-31); and the server apparatus comprises: a unit for sending the reply to the service request to the traffic control apparatus (50, Figure 6-8; Column 8, Lines 1-18).

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. **Claims 3, 10, 13-14** are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 7,007,092 B2 to *Peiffer* in view of U.S. Patent No. 6,606,661 B1 to *Agrawal et al (Agrawal)*.

As to **Claim 3**, *Peiffer* discloses a traffic control apparatus according to Claim 1. *Peiffer* does not expressly disclose a unit for estimating a waiting time and for sending an access restriction message.

*Agrawal* discloses a unit for estimating a waiting time of the reply supplied by the server apparatus (MTBR, Column 4, Lines 50-54); and a unit for sending an access restriction message for rejecting the request when the waiting time is longer than a fixed time (Column 5, Lines 14-15).

*Peiffer* and *Agrawal* are analogous art because they are from the same field of endeavor with respect to traffic control apparatuses.

At the time of invention, it would have been obvious to a person of ordinary skill in the art to combine the teachings of *Peiffer* and *Agrawal* to include a unit for restricting access of the client request when the wait time is too great. The motivation would have been to service the largest possible number of clients without running out of resources (Column 2, Lines 34-42)

As to **Claim 10**, *Agrawal* further discloses a unit for providing a maximum processing time of the request to the client apparatus before the request is transferred to the server apparatus (Tmax, Column 4, Lines 34-38). In addition, the same motivation is used as the rejection for Claim 3.

As to **Claim 13**, *Agrawal* further discloses a unit for controlling an average response time to the client apparatus within a fixed time ( $G(T)$ , Column 4, Lines 18-30). In addition, the same motivation is used as the rejection for Claim 3.

As to **Claim 14**, *Agrawal* further discloses a unit for providing a maximum processing time of the request to the client apparatus before the request is transferred to the server apparatus  $T_{max}$ , Column 4, Lines 34-38). In addition, the same motivation is used as the rejection for Claim 3.

4. **Claims 4, 7-9, and 12** are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 7,007,092 B2 to *Peiffer* in view of U.S. Patent No. 6,101,542 to *Miyamoto et al* (*Miyamoto*).

As to **Claim 4**, *Peiffer* discloses a traffic control apparatus according to Claim 1. *Peiffer* does not expressly disclose a unit for changing priority of the requests. *Miyamoto* discloses a unit for changing priority used to relay the request to the server apparatus in accordance with the data reception performance of the client apparatus (Column 10, Lines 61-64).

*Peiffer* and *Miyamoto* are analogous art because they are from the same field of endeavor with respect to traffic control apparatuses.

At the time of invention, it would have been obvious to a person of ordinary skill in the art to combine the teachings of *Peiffer* and *Miyamoto* to include a unit for prioritizing client requests. The motivation would have been to

match the client performance with the performance of the connection from the server apparatus (Column 4, Lines 7-11).

As to **Claim 7**, *Miyamoto* further discloses a unit for making access restriction on the request already received from the client apparatus when priority of the request received later is higher than that of the already received request (Column 12, Lines 21-25). In addition, the same motivation is used as the rejection for Claim 4.

As to **Claim 8**, *Miyamoto* further discloses a unit for changing priority of the request relayed to the server apparatus in accordance with the data reception performance of the client apparatus (Column 10, Lines 61-64). In addition, the same motivation is used as the rejection for Claim 4.

As to **Claim 9**, *Miyamoto* in view of *Agrawal* further discloses a unit for controlling an average response time to the client apparatus within a fixed time (Column 3, Paragraph 3-4). In addition, the same motivation is used as the rejection for Claim 3.

As to **Claim 12**, *Miyamoto* further discloses a unit for changing priority of the request relayed to the server apparatus in accordance with the data reception performance of the client apparatus (Column 10, Lines 61-64). In addition, the same motivation is used as the rejection for Claim 4.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ROBERT MCADAMS whose telephone number is (571)270-3309. The examiner can normally be reached on Monday-Thursday 6:30am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Luh-Yi Lao can be reached on 571-272-7671. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/RBM/  
3/14/2008

/LUN-YI LAO/  
Supervisory Patent Examiner, Art Unit 4134

<b>Notice of References Cited</b>		Application/Control No.	Applicant(s)/Patent Under Reexamination 10/797,619 NAGAMI ET AL.	
		Examiner ROBERT MCADAMS	Art Unit 4134	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-7,007,092	02-2006	Peiffer, Christopher	709/227
*	B	US-6,606,661	08-2003	Agrawal et al.	709/227
*	C	US-6,101,542	08-2000	Miyamoto et al.	709/227
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Docket No.: 62807-172

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Customer Number: 20277  
Akihisa NAGAMI, et al. : Confirmation Number:  
Serial No.: : Group Art Unit:  
Filed: March 11, 2004 : Examiner:  
For: TRAFFIC CONTROL APPARATUS AND SERVICE SYSTEM USING THE SAME

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop IDS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

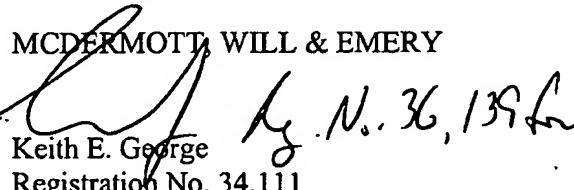
The relevance of 2003/0028616 A1, JP 2003-015938 A, and "Hypertext Transfer Protocol -HTTP/1.1", are discussed in the present specification.

**Serial No.:**

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

  
Keith E. George  
Registration No. 34,111

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Facsimile: (202) 756-8087  
**Date: March 11, 2004**

Docket No.: 062758-0145



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277  
Akihisa NAGAMI, et al. : Confirmation Number: 4743  
Application No.: 10/797,619 : Group Art Unit: 2141  
Filed: March 11, 2004 : Examiner: NYA

For: TRAFFIC CONTROL APPARATUS AND SERVICE SYSTEM USING THE SAME

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

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Each reference was first cited in a Japanese office action and its relevance discussed therein. A copy of the Japanese office action is attached for the Examiner's information.

10/797,619

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Respectfully submitted,

McDERMOTT WILL & EMERY LLP



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Facsimile: 202.756.8087  
**Date: June 22, 2007**

**Please recognize our Customer No. 20277  
as our correspondence address.**



SHEET 1 OF 1

**INFORMATION DISCLOSURE  
CITATION IN AN  
APPLICATION**

(PTO-1449)

ATTY. DOCKET NO.  
**062758-0145**

SERIAL NO.  
**10/797,619**

APPLICANT  
**Akihisa NAGAMI, et al.**

FILING DATE  
**March 11, 2004**

GROUP  
**2141**

**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US				

**FOREIGN PATENT DOCUMENTS**

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes - Number & Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes      No
/R.M./		JP 2002-251383	09-06-2002	FUJITSU LTD		Japanese (w/English Abstract)
/R.M./		JP 2003-224565	08-08-2003	NIPPON ELECTRIC CO		Japanese (w/English Abstract)
/R.M./		JP 2002-149519	05-24-2002	FUJITSU LTD		Japanese (w/English Abstract)

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
/R.M./		Japanese Office Action Issued in Japanese Patent Application No. JP 2003-418905, dated May 22, 2007.	

EXAMINER

/Brad Mcadams/

DATE CONSIDERED

03/05/2008

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Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>(PTO-1449)</b>				ATTY. DOCKET NO. <b>62807-172</b>	SERIAL NO.	
				<b>APPLICANT</b> <b>Akihisa NAGAMI, et al.</b>		
				FILING DATE <b>March 11, 2004</b>	GROUP	
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sub>2</sub> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
/R.M./		US 2003/0028616 A1	02/06/2003	Aoki et al.		
/R.M./		US 2003/0188013 A1	10/02/2003	Nishikado et al.		
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<b>FOREIGN PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number-Kind Codes ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation
/R.M./		JP 2003-015938 A	01/17/2003	HITACHI LTD.		Yes      No
					JAPAN (w/English Abstract)	
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
		FIELDING, R., et al. " Hypertext Transfer Protocol -HTTP/1.1", (online), June 1999, IETF, Internet, URL: <a href="http://www.ietf.org/rfc/rfc2616.txt">http://www.ietf.org/rfc/rfc2616.txt</a> pp. 54				
EXAMINER			DATE CONSIDERED			
/Brad Mcadams/			03/05/2008			

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.



Docket No.: 062807-0172

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277  
Akihisa NAGAMI, et al. : Confirmation Number: 4743  
Application No.: 10/797,619 : Group Art Unit: 2141  
Filed: March 11, 2004 : Examiner: Not yet assigned

For: TRAFFIC CONTROL APPARATUS AND SERVICE SYSTEM USING THE SAME

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Each non-English language reference was first cited in a corresponding foreign application search report or office action and its relevance discussed therein. A copy of the

10/797,619

foreign search report or office action, together with an English language version thereof, is attached for the Examiner's information.

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Respectfully submitted,

McDERMOTT WILL & EMERY LLP



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Registration No. 34,111

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Washington, DC 20005-3096  
Phone: 202.756.8000 KEG:aph  
Facsimile: 202.756.8087  
**Date: September 22, 2005**

Please recognize our Customer No. 20277  
as our correspondence address.



SHEET 1 OF 1

**INFORMATION DISCLOSURE  
CITATION IN AN  
APPLICATION**

(PTO-1449)

ATTY. DOCKET NO.  
**062807-0172**

SERIAL NO.  
**10/797,619**

**APPLICANT**

FILING DATE	GROUP
<b>March 11, 2004</b>	<b>2141</b>

## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes -Number & Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
/R.M./		WO 02/078258	10-3-2002	DESKTOP TV, INC		X	
/R.M./		EP 1 349 339	10-1-2003	HITACHI, LTD		X	

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	

**EXAMINER**

**DATE CONSIDERED**

/Brad Mcadams/

03/05/2008

\*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.

**EXAMINER:** Initial in reference considered, whether or not claim  
Include copy of this form with next communication to applicant

**1** Applicant's unique citation designation number (optional). **2** Applicant is to place a check mark here if English language Translation is attached.



SHEET 1 OF 1

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